

Description

Wallboard manufacturers use a number of different dry materials, which are delivered automatically through bins or hoppers. Some of the materials may clog in the bins for a number of reasons, such as high moisture content or clumps of material that are too large. At GP Gypsum, a Tacoma, Washington wallboard manufacturer, workers used to bang on the sides of the bins with a sledgehammer to get the material flowing again. However, using the sledgehammer required a lot of grip force, repetitive motions and sometimes awkward postures. To reduce the risk of injury and keep the material flowing, they installed vibrators on the bins that were prone to clogging.

The old way: Hitting the bin with a sledgehammer to break up the clogged material.



The new way: Vibrators attached to the bins switch on periodically to keep the material flowing.



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